

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (currently amended): ~~A Recording recording method for recording to record the a status of an artificially ventilated lung of a patient in accordance with a plurality of lung positions, the patient lying in a nursing bed and the a position of the artificially ventilated lung is moveable by a position actuator, comprising the steps of:~~

- a) moving the artificially ventilated lung by the position actuator to a defined lung position,
- b) determining the status of the artificially ventilated lung, and
- c) recording the status of the artificially ventilated lung in accordance with the defined lung position.

Claim 2 (currently amended): ~~The Recording recording method according to of claim 1, wherein the nursing bed is rotatable around its longitudinal axis and wherein the position actuator is a motor rotating the nursing bed around its longitudinal axis.~~

Claim 3 (currently amended): ~~The Recording recording method according to of claim 1, wherein the position actuator comprises air cushions provided underneath the patient.~~

Claim 4 (currently amended): ~~The Recording recording method according to of one of the claims 1—3 claim 1, wherein the defined lung position is reached by a predetermined step size of the position actuator.~~

Claim 5 (currently amended): The Recording recording method according to  
of one of the claims 1—3 claim 1, wherein the defined lung position is  
reached in accordance with a feed back signal of a position sensor  
measuring the actual lung position.

Claim 6 (currently amended): The Recording recording method according to  
of one of the claims 1—5 claim 1, wherein the status of the artificially  
ventilated lung is includes a measure of a regional or a global information on  
lung morphology and/or lung function.

Claim 7 (currently amended): The Recording recording method according to  
of one of the claims 1—5 claim 1, wherein the status of the artificially  
ventilated lung is includes a measure of the functionality with regard to the  
global gas exchange of the lung.

Claim 8 (currently amended): The Recording recording method according to  
of one of the claims 1—7 claim 1, wherein the determined status of the  
artificially ventilated lung is recorded includes recording by a computer in  
accordance with the corresponding defined lung position.

Claim 9 (currently amended): The Recording recording method according to  
of one of the claims 1—8 claim 1, wherein the steps a) , b) , and c) are  
repeated with a predetermined differential step size of the position actuator  
until the status of the artificially ventilated lung has been determined over a  
predetermined range of lung positions.

Claim 10 (original): A Controlling controlling method for controlling to control  
at least one ventilation pressure of an artificial ventilator for ventilating an  
artificially ventilated lung of a patient in accordance with a plurality of lung  
positions, the patient lying in a nursing bed and the position of the artificially  
ventilated lung is moveable by a position actuator, comprising the steps of:

- a) obtaining lung status information which is based on at least two supporting points of a first status of the artificially ventilated lung in accordance with a first lung position and a second status of the artificially ventilated lung in accordance with a second lung position,
- b) moving the artificially ventilated lung by the position actuator to a defined lung position,
- c) controlling of at least one ventilation pressure in accordance with the defined lung position and in accordance with the lung status information related to said defined lung position.

Claim 11 (canceled)

Claim 12 (currently amended): The Controlling controlling method according to one of the claims 10 – 11 of claim 10, wherein the lung status information is interpolated between the supporting points in accordance with the difference between two neighbouring neighboring supporting points.

Claim 13 (currently amended): The Controlling controlling method according to one of the claims 10 – 12 of claim 10, wherein at least one ventilation pressure is controlled such that the lung status information yields a homogeneous distribution over a plurality of lung positions.

Claim 14 (currently amended): A Positioning positioning method for controlling to control the change of the a position of an artificially ventilated lung of a patient, the patient lying in a nursing bed and the position of the artificially ventilated lung is changeable by a corresponding position actuator, comprising the steps of:

- a) providing a periodical controlling signal having a distribution of a plurality of position periods and/or of a plurality of amplitudes,
- b) controlling the position actuator by said periodical controlling signal.

Claim 15 (currently amended): The Positioning positioning method according to of claim 14, wherein the distribution is compiled via a user's interface on the basis of a given set of periodical controlling signals.

Claim 16 (currently amended): The Positioning positioning method according to of claim 14, wherein the distribution is compiled in accordance with lung status information which is based on at least two supporting points of a first status of the artificially ventilated lung in accordance with a first lung position and a second status of the artificially ventilated lung in accordance with a second lung position.

Claim 17 (currently amended): A Recording recording apparatus for recording to record the a status of an artificially ventilated lung of a patient lying in a nursing bed in accordance with a plurality of lung positions, comprising:

- a) a position actuator for moving to move the artificially ventilated lung to a defined lung position,
- b) determining means for determining to determine the status of the artificially ventilated lung, and
- c) recording means for recording to record the status of the artificially ventilated lung in accordance with the defined lung position.

Claim 18 (original): The Recording recording apparatus according to of claim 17, wherein the nursing bed is rotatable around its longitudinal axis and wherein the position actuator is a motor rotating the nursing bed around its longitudinal axis.

Claim 19 (currently amended): The Recording recording apparatus according to of claim 17, wherein the position actuator comprises air cushions provided underneath the patient.

Claim 20 (currently amended): The Recording recording apparatus according to one of the claims 17–19 of claim 17, wherein the defined lung position is reached by a predetermined step size of the position actuator.

Claim 21 (currently amended): The Recording recording apparatus according to one of the claims 17–19 of claim 17, wherein the defined lung position is reached in accordance with a feed back signal of a position sensor measuring the actual lung position.

Claim 22 (currently amended): The Recording recording apparatus according to one of the claims 17–21 of claim 17, wherein the status of the artificially ventilated lung is a measure of a regional or a global information on lung morphology and/or lung function.

Claim 23 (currently amended): The Recording recording apparatus according to one of the claims 17–21 of claim 17, wherein the status of the artificially ventilated lung is a measure of the functionality with regard to the global gas exchange of the lung.

Claim 24 (currently amended): The Recording recording apparatus according to one of the claims 17–23 of claim 17, wherein the determined status of the artificially ventilated lung is recorded by a computer in accordance with the corresponding defined lung position.

Claim 25 (currently amended): The Recording recording apparatus according to one of the claims 17–24 of claim 17, wherein a predetermined differential step size is applied repeatedly to the position actuator until the status of the artificially ventilated lung has been determined over a predetermined range of lung positions.

Claim 26 (original): A Controlling controlling apparatus for controlling to control at least one ventilation pressure of an artificial ventilator for ventilating an artificially ventilated lung of a patient lying in a nursing bed in accordance with a plurality of lung positions, comprising:

- a) means for obtaining lung status information which is based on at least two supporting points of a first status of the artificially ventilated lung in accordance with a first lung position and a second status of the artificially ventilated lung in accordance with a second lung position,
- b) a position actuator ~~for moving to move~~ the artificially ventilated lung to a defined lung position,
- c) means for controlling of at least one ventilation pressure in accordance with the defined lung position and in accordance with the lung status information related to said defined lung position.

Claim 27 (currently amended): The Controlling controlling apparatus according to of claim 26, wherein the lung status information is obtained by using the recording apparatus according to claim 25.

Claim 28 (currently amended): The Controlling controlling apparatus according to claims 26—27 of claim 26, wherein the lung status information is interpolated between the supporting points in accordance with the difference between two neighbouring supporting points.

Claim 29 (currently amended): The Controlling controlling apparatus according to claims 26—28 of claim 26, wherein at least one ventilation pressure is controlled such that the lung status information yields a homogeneous distribution over a plurality of lung positions.

Claim 30 (currently amended): A Positioning positioning apparatus for controlling to control the a change of the a position of an artificially ventilated lung of a patient lying in a nursing bed, comprising:

- a) a position actuator for changing the position of the artificially ventilated lung,
- b) means for providing a periodical controlling signal having a distribution of a plurality of position periods and/or of a plurality of amplitudes, and
- c) means for controlling the position actuator by said periodical controlling signal.

Claim 31 (currently amended): The Positioning positioning apparatus according to of claim 30, wherein the distribution is compiled via a user's interface on the basis of a given set of periodical controlling signals.

Claim 32 (currently amended): The Positioning positioning apparatus according to of claim 30, wherein the distribution is compiled in accordance with lung status information which is based on at least two supporting points of a first status of the artificially ventilated lung in accordance with a first lung position and a second status of the artificially ventilated lung in accordance with a second lung position.

Claim 33 (new): The controlling method of claim 10, wherein the lung status information is obtained by a recording method, the recording method to record a status of an artificially ventilated lung of a patient in accordance with the plurality of lung positions, the recording method comprising the steps of:

- a) moving the artificially ventilated lung by the position actuator to a defined lung position,
- b) determining the status of the artificially ventilated lung,
- c) recording the status of the artificially ventilated lung in accordance with the defined lung position, and

repeating the steps a), b), and c) with a predetermined differential step size of the position actuator until the status of the artificially ventilated lung has been determined over a predetermined range of lung positions.